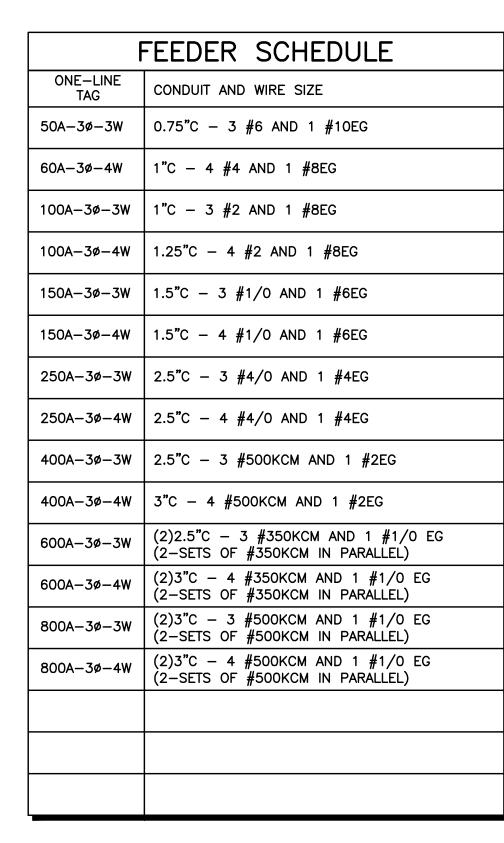


Date

Bid Issue

Revisions:

VA FORM 08- 6231, OCT 1978



JOINT AND SPLICE SPECIFICATION

- RECONNECTIONS FOR 20AMP AND 30AMP CIRCUITS SHALL BE COMPLETED ON TERMINAL BLOCK STRIPS TO ORGANIZE RECONNECTED CIRCUITS. REFER TO "MTB DETAIL" ON ELECTRICAL DETAIL SHEETS.
- 2. JOINT AND SPLICE IN #8 AWG AND LARGER WIRES SHALL BE MADE WITH COMPRESSION TYPE MECHANICAL CONNECTORS AND INSULATED WITH 3M HEAT SHRINK TUBING TO A 600V INSULATION LEVEL.
- 3. LABEL THE J-BOX COVER WITH A BLACK PERMANENT MARKER INDICATING SOURCE, CIRCUIT AND LOAD INFORMATION: "GHNAA" "40A-3P BREAKER #2" "AHU S-7"
- 4. VERIFY PHASE ROTATION PRIOR TO STARTING ANY RECONNECTED LOADS. MAINTAIN LOG OF PHASE ROTATION FOR EACH LOAD INDICATING 1)EXISTING PHASE ROTATION, 2) RECONNECTED PHASE ROTATION 3) TIME AND DATE OF PHASE ROTATION TEST, 4) INITIALS OF PERSON VERIFYING TEST.

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CONSTRUCTION SEQUENCE: PHASE 1 1. BUILD WEST HALF OF NEW ELECTRICAL ROOM B-C499. 2. BUILD OUT PHASE 1 AREA. 3. RELOCATE NUCLEAR MEDICINE EQUIPMENT "BRIGHTVIEW" PHASE 2 1. BUILD EAST HALF OF NEW ELECTRICAL ROOM B-C499. 2. MOVE PHASE 1 EMERGENCY LOADS FROM TEMPORARY NORMAL CONNECTION TO PERMANENT SOURCES. 3. REFEED ANY ACTIVE LOADS NOT DEMOLISHED DURING PHASE 2 FROM NEW ELECTRICAL ROOM B-C499. INCLUDES THE FOLLOWING: a. NUCLEAR MEDICINE EQUIPMENT "XCT"

b. NUCLEAR MEDICINE EQUIPMENT "SKYLIGHT" c. NUCLEAR MEDICINE EQUIPMENT "MARCONI" d. LIGHTING BRANCH CIRCUITS - SEE BRANCH CIRCUIT RECONNECTION TABLE. e. RECEPTACLE BRANCH CIRCUITS - SEE BRANCH CIRCUIT RECONNECTION TABLE.

3. REFEED PANELS "EA" AND "ERH2".

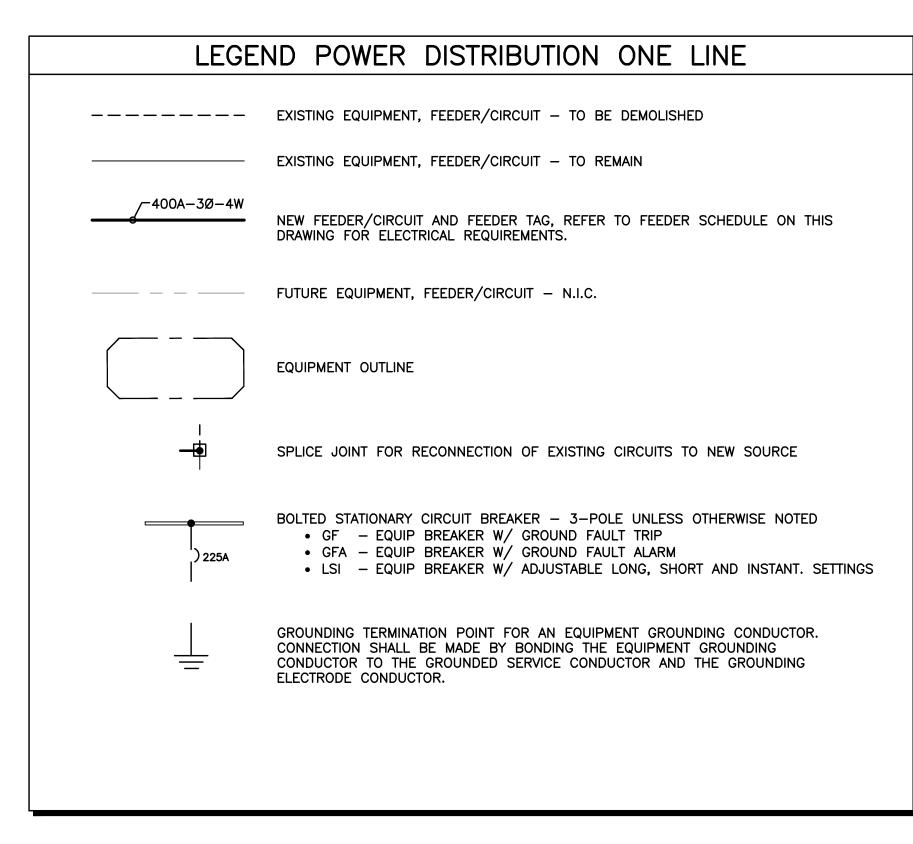
4. REMOVE EQUIPMENT FROM ELECTRICAL ROOMS HO1 AND HO1A.

PHASE 3

- 1. RELOCATE THE FOLLOWING NUCLEAR MEDICINE EQUIPMENT: a. NUCLEAR MEDICINE EQUIPMENT "XCT" (TO TEMPORARY LOCATION).
- b. NUCLEAR MEDICINE EQUIPMENT "SKYLIGHT" c. NUCLEAR MEDICINE EQUIPMENT "MARCONI"
- 2. BUILD OUT PHASE 3 AREA.

- 1. RELOCATE NUCLEAR MEDICINE EQUIPMENT "XCT" (TO PERMANENT LOCATION).
- 2. INSTALL NEW NUCLEAR MEDICINE EQUIPMENT.

3. BUILD OUT PHASE 4 AREA.



			BR	ANCH C	CIRCUIT F	RECONNEC	TION TA	BLE											
	BRANCH CIRCUIT INFORMATION													MASTER TERMINAL BLOCK INFORMATION					
TAG	LOAD DESCRIPTION	POWER CLASS.	VOLTAGE	O.C.P. OR STARTER SIZE	EXIST. SOURCE	NEW SOURCE	CIRCUIT NUMBERS	CONDUIT SIZES	CONDUCTORS	ADJ. FACTOR NEC 310-15(B)(2)(a)	ALLOW AMP 90°C NEC 310-16	ADJUSTED AMPACITY	MTB ID	# OF 12 POINT BOARDS (30A-600V)	# 0F 6 POINT BOARDS (30A-600V)	# OF 8 POINT BOARDS (85A-600V)	GROUND BAR	ENCLOSURE DIMENSIONS	
01	ERH2	EQ	208/120V-3Ф	100A-3P	DRH1	LFB1EQ		1-1/4"C	3 #2H & 1 #8EG	100%	130	130							
02	LFS1EQ (OLD EA)	EQ	208/120V-3Ф	70A-3P	DRH1	LFB1EQ		1-1/4"C	4 #4H & 1 #8EG	100%	95	95						· 	
03	(10) REMAINING 20A-120V CIRCUITS	N	277V	(10)20A-1P	LH1	HEB1	13-31 ODD	1-1/4"C	10 #10H, 10#10N & 1 #10EG	50%	40	20	MTB1-HEB1	1				12" x 12" x 4"	
04	PANEL 2A "MARCONI"	N	208/120V-1Ф	60A-3P	LH1	DPLEB1	26,30	3/4"C	2 #6 & 1 #10EG	100%	75	75						1	
05	PANEL 3A "XCT"	N	208/120V-1Ф	60A-3P	LH1	DPLEB1	34,36	3/4"C	2 #6 & 1 #10EG	100%	75	75							
06	PANEL 4A "SKYLIGHT"	N	208/120V-1Ф	60A-3P	LH1	DPLEB1	38,40	3/4"C	2 #6 & 1 #10EG	100%	75	75							
07	(5) REMAINING 20A-120V CIRCUITS	N	120V	(5)20A-1P	RH1A	LEB5	29-33	1"C	5 #10H, 5#10N & 1 #10EG	50%	40	20	MTB1-LEB5	1		1		18" x 18" x 4"	
08	(3) REMAINING 20A-120V CIRCUITS	N	120V	(3)20A-1P	RH1B	LEB5	34-36	3/4"C	3 #10H, 3 #10N & 1 #10EG	50%	40	20						İ	
	(25) REMAINING 20A-120V CIRCUITS	N	120V	(10)20A-1P	RB31	LEB1	18-28	1-1/4"C	10 #10H, 10 #10N & 1 #10EG	50%	40	20	MTB2-LEB5	2	2			18" x 18" x 4"	
09				(10)20A-1P	RB31	LEB1	29-39	1-1/4"C	10 #10H, 10 #10N & 1 #10EG	50%	40	20						l	
				(5)20A-1P	RB31	LEB1	40-44	1-1/4"C	10 #10H, 10 #10N & 1 #10EG	50%	40	20	MTB3-HEB5	1				12" x 12" x 4"	
	(28) REMAINING 20A-120V CIRCUITS		120V	(10)20A-1P	RB31A	LEB5	1-10	1-1/4"C	10 #10H, 10 #10N & 1 #10EG	50%	40	20	MTB4-HEB5	2				18" x 18" x 4"	
10		N		(9)20A-1P	RB31A	LEB5	11-19	1-1/4"C	9 #10H, 9 #10N & 1 #10EG	50%	40	20	MTB5-LEB5	2	2			18" x 18" x 4"	
				(9)20A-1P	RB31A	LEB5	20-28	1-1/4"C	9 #10H, 9 #10N & 1 #10EG	50%	40	20						l	

NOTES:

- ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL EXISTING CIRCUITS FED OUT OF EXISTING ELECTRICAL ROOMS #HO1 and HO1A PRIOR TO DISCONNECTING IN PHASE 2. TRACE EXISTING CIRCUITS WITH AN ADVANCED WIRE TRACER THAT WORKS WITH ENERGIZED OR DE-ENERGIZED CIRCUITS AND IS CAPABLE OF INJECTING TRACE SIGNAL WITH CLAMP-ON ATTACHMENT FOR NON-CONTACT OPERATION. IN GENERAL, CIRCUITS MUST BE TRACED WHILE ENERGIZED.
- A WRITTEN "LOAD IDENTIFICATION" REPORT OF ALL EXISTING CIRCUITS FED FROM THIS ROOM SHALL BE SUBMITTED TO THE C.O.T.R. FOR REVIEW WITH THE FACILITIES MAINTENANCE DEPARTMENT. THE REPORT SHALL INDICATE; SOURCE EQUIPMENT NAME, CIRCUIT NUMBER, CIRCUIT RATING, LOAD DESCRIPTION, LOAD LOCATION, DATE OF TRACE AND INITIAL OF PERSON COMPLETING TRACE.
- PERFORM ALL CUT-OVER WORK OF RECONNECTED BRANCH CIRCUITS/FEEDERS DURING VAMC "OFF-HOURS". THIS WORK SHALL BE SCHEDULED WITH THE C.O.T.R. AT LEAST 14 DAYS IN ADVANCE. ALL PREMIUM COST (LABOR, EQUIPMENT RENTALS, ETC) ASSOCIATED WITH PERFORMING THIS WORK DURING SECOND SHIFTS, THIRD SHIFTS OR WEEKENDS SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE. THE RECONNECTION OF FEEDERS AND BRANCH CIRCUITS MUST BE COMPLETED AT THE END OF EACH OFF-HOURS SHIFT SUCH THAT THERE IS NO LOSS OF POWER FOR SURGERY.
- 3. QUANTITY OF BREAKERS ARE AN A APPROXIMATION. CONTRACTOR SHALL FIELD VERIFY EXACT QUANTITY OF BREAKERS PRIOR TO DEMOLITION OF EXISTING PANELBOARDS. REPORT ANY DISCREPANCIES TO
- 4. CONTRACTOR SHALL TRACE EXISTING BRANCH CIRCUIT CONDUCTORS AND COORDINATE SHUT-DOWNS OF ALL EXISTING ELECTRICAL SYSTEMS WITH OWNER.
- 5. CONTRACTOR SHALL RECONNECT ALL EXISTING (REMAINING) ACTIVE CIRCUITS TO NEW ELECTRICAL DISTRIBUTION. REFER TO BRANCH CIRCUIT RECONNECTION DETAILS FOR ELECTRICAL REQUIREMENTS.

